

SAFETY DATA SHEET

SECTION I: IDENTIFICATION

Product: CT 8810

Description: Food Grade Defoamer / Ready To Use

Company Identification: Chemtech, Inc.
1621 N. 1st St.
Winterset, IA 50273
Phone: 888-570-5333
Website: www.chemtechus.com



Company Emergency Telephone Number: CHEMTREC 1-800-424-9300

SECTION II: HAZARD(S) IDENTIFICATION

GHS CLASSIFICATION

Physical Hazards: Not classified.

Health Hazards: Not classified.

Environmental Hazards: Not classified.

OAHS Defined Hazards: **Combustible Dust:** Not applicable.
Pyrophoric Gas: Not applicable.
Simple Asphyxiate: Not applicable.

GHS LABEL ELEMENTS

Hazard Symbol: None

Signal Word: None

Hazard Statement: Product does not meet the criteria for classification.

PRECAUTIONARY STATEMENTS

Prevention: Observe good industrial hygiene practices.

Response: Wash hands after handling.

Storage: Store away from incompatible materials.

Disposal: Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) Not Otherwise Classified (HNOC): None known.

Supplemental information: Not applicable.

SECTION III: COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | CAS # | Weight - % |
|--|---------|------------|
| Propylene Glycol | 57-55-6 | 1 - < 3% |
| * Other components below reportable levels | | 90 - 100% |

* Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

SECTION IV: FIRST AID MEASURES

Inhalation: Move to fresh air. Call a physician if symptoms develop or persist.

Skin Contact: Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye Contact: Rinse with water. Get medical attention if irritation develops and persists.

Ingestion: Rinse mouth. Get medical attention if symptoms occur.

Most Important Symptoms and Effects, Acute and Delayed: Direct contact with eye may cause temporary irritation.

Indication of Immediate Medical Attention and Special Treatment Needed: Treat symptomatically.

General Information: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

SECTION V: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Water fog, foam, dry chemical powder, carbon dioxide (CO₂).

Unsuitable Extinguishing Media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific Hazards Arising from the Chemical: During fire, gases hazardous to health may be formed.

Protective Equipment / Precautions for Firefighters: Self-contained breathing apparatus and full protective clothing must be worn in case of a fire.

Firefighting Equipment / Instructions: Move containers from the area if you can do so without risk.

Special Methods: Use standard firefighting procedures and consider the hazards of other involved materials.

General Fire Hazards: No unusual fire or explosion hazards noted.

SECTION VI: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate personal protective equipment. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection see Section 8.

Methods and Materials for Containment and Clean Up: Product is immiscible with water and will spread on the water surface.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residue contamination.

Large Spills: Stop the flow of the material, if this is without risk. Dike the spilled material, where possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Never return spills to original containers for re-use. For waste disposal, see Section 13.

Environmental Precautions: Avoid release to the environment. Contact local authorities in case of spillage to drain / aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or into the ground.

SECTION VII: HANDLING AND STORAGE

Safe Handling: Do not breathe mist or vapor. Do not get in eyes, on skin or on clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains.

Storage Conditions for Safe Storage, Including any Incompatibilities: Store in original tightly closed container. Store away from incompatible materials (see Section 10).

SECTION VIII: EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits: None established.

US AHA Workplace Environmental Exposure Level (WEEL) Guides:

| Components | Type | Value | Form |
|----------------------------------|------|----------------------|---------|
| Propylene Glycol (CAS # 57-55-6) | TWA | 10 mg/m ³ | Aerosol |

Biological Limit Values: No biological exposure limits for the ingredient(s).

Appropriate Engineering Controls: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. It is recommended that users of this product perform a risk assessment to determine the appropriate PPE.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTION EQUIPMENT

Eye/Face Protection: If contact is likely, safety glasses with side shields are recommended.

Hand Protection: For prolonged or repeated skin contact use suitable protective gloves.

Skin and Other Protection: Wear suitable protective clothing.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal Hazards: Wear appropriate thermal protective clothing when necessary.

General Hygiene Considerations: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--------------------------------|---|
| Appearance / Color | Liquid / Milky White |
| Odor | Mild |
| pH | 10.0-10.5 |
| Melting Point / Freezing Point | 32 ^o F (0 ^o C) |
| Boiling Point / Boiling Range | 212 ^o F |
| Flash Point | > 212.0 ^o F (> 100.0 ^o C) Pensky-Martens Closed Cup |
| Evaporation Rate | < 1 (water = 1) |
| Flammability (Solid, gas) | No information available |
| Upper Flammability Limit | No information available |
| Lower Flammability Limit | No information available |
| Vapor Pressure | No information available |
| Vapor Density | No information available |
| Specific Gravity | 1.035 |
| Solubility(ies) | Insoluble to dispersible |
| Partition Coefficient | No information available |
| Autoignition Temperature | No information available |
| Decomposition Temperature | No information available |
| Viscosity | No information available |
| Flash Point Class | Non-Flammable |
| Percent Volatile | 74 - 75 % |
| pH in aqueous solution | 4 - 7 (1% in 50:50 IPA:H ₂ O) |
| VOC (Weight %) | 1.81% |

SECTION X: STABILITY AND REACTIVITY

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical Stability: Material is stable under normal conditions.

Possibility of Hazardous Reaction: No dangerous reaction known under conditions of normal use.

Conditions to Avoid: Contact with incompatible materials.

Incompatible Materials: Acids, bases and alkalis (organic).

Hazardous Decomposition Products: Carbon oxides.

SECTION XI: TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE

Ingestion: Expected to be low ingestion hazard.

Inhalation: Prolonged inhalation may be harmful.

Skin Contact: No adverse effects due to skin contact are expected.

Eye Contact: Direct contact with eyes may cause temporary irritation.

Symptoms Related to the Physical, Chemical and Toxicological Characteristics: Direct contact with eyes may cause temporary irritation.

INFORMATION ON TOXICOLOGICAL EFFECTS

Acute Toxicity:

| Product | Species | Test Results |
|---|------------|-----------------------------|
| CT 8810 Food Grade (CAS Mixture) - Acute Oral LD50 | Dog | 1,583.3334 g/kg estimated |
| | Guinea pig | 1,583.3334 g/kg estimated |
| | Mouse | 1,991.6666 g/kg estimated |
| | Rabbit | 1,500 g/kg estimated |
| | Rat | 578.5193 g/kg estimated |
| CT 8810 Food Grade (CAS Mixture) - Other LD50 | Rat | 25,401.1563 mg/kg estimated |

| Components | Species | Test Results |
|--|------------|--------------|
| Propylene Glycol (CAS# 57-55-6) - Acute Oral LD50 | Dog | 19 g/kg |
| | Guinea pig | 18.4 g/kg |
| | Mouse | 23.96 g/kg |
| | Rabbit | 18 g/kg |
| | Rat | 30 g/kg |

*Estimates for product may be based on additional component data not shown.

Skin Corrosion/Irritation: Prolonged skin contact may cause temporary irritation.

Serious Eye Damage/Eye Irritation: Direct contact with eyes may cause temporary irritation.

Respiratory or Skin Sensitization:
Respiratory Sensitization: Not available.
Skin Sensitization: This product is not expected to cause skin sensitization.

Germ Cell Mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACHIH, NTP or OSHA.

US OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed.

Reproductive Toxicity: This product is not expected to cause reproductive or developmental effects.

Specific Target Organ Toxicity: **Single Exposure:** Not classified.
Repeated Exposure: Not classified.

Aspiration Hazard: Not available.

Chronic Effects: Prolonged inhalation may be harmful.

SECTION XII: ECOLOGICAL INFORMATION

Ecotoxicity: The product is not classified as an environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful effect on the environment.

| Chemical Name | Algae/Aquatic Plants | Fish | Microtoxicity | Crustacea |
|------------------------------------|----------------------|--|---------------|--|
| Propylene Glycol (CAS# 57-55-6) | | *710 mg/l, 96 hours (Flathead Minnow) | | > *10,000 mg/l, 48 hrs (Water Flea) |

* Estimates for this product may be based on additional component data not shown.

Persistence and Degradability: Not available.

Bioaccumulative Potential: Not available.

Partition Coefficient n-octal / Water (log Kow): Propylene Glycol -0.92

Mobility in Soil: Not available.

Other Adverse Effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION XIII: DISPOSAL CONSIDERATIONS

Disposal Instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

Local Disposal Regulations: Dispose in accordance with all applicable regulations.

Hazardous Waste Code: The waste code should be assigned in discussion between user, the producer and the waste disposal company.

Waste From Residues/Unused Products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material must be disposed of in a safe manner (see Disposal Instructions).

Contaminated Packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after the container is emptied.

SECTION XIV: TRANSPORT INFORMATION

DOT: Not regulated as dangerous goods.

IATA: Not regulated as dangerous goods.

IMDG: Not regulated as dangerous goods.

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not available.

SECTION XV: REGULATORY INFORMATION

US FEDERAL

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4): Not listed.

SARA 304 Emergency Release Notification: Not regulated.

US OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT 1986 (SARA)

| | | |
|--------------------|-------------------|----|
| Hazard Categories: | Immediate Hazard | No |
| | Delayed Hazard | No |
| | Fire Hazard | No |
| | Pressure Hazard | No |
| | Reactivity Hazard | No |

SARA 302 Extremely Hazardous Substance: No

SARA 311/312 Hazardous Chemicals: No

SARA 313 (TRI Reporting): Not regulated.

OTHER FEDERAL REGULATIONS

Clean Air Act (CAA) Section 112 Hazardous Air-Pollutants (HAPs) List: Not regulated.

Clean Air Act (CAA) Section 112r Accidental Release Prevention (40 CFR 68.130): Not regulated.

Safe Drinking Water Act (SDWA): Not regulated.

STATE REGULATIONS

Massachusetts Right-to-Know Act - Substance List: Not regulated.

New Jersey Worker and Community Right-to-Know Act: Not regulated.

Pennsylvania Right-to-Know Act - Hazardous Substance: Propylene Glycol (CAS# 57-55-6)

Rhode Island Right-to-Know Act: Not regulated.

California Proposition 65:

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

SECTION XVI: OTHER INFORMATION

Issue Date: 06/01/15

HAZARD RATINGS:

| | | | | | |
|------------|---|--------------|-----------|-----------------|---------------------|
| Version #: | 1 | NFPA: | Health: 1 | Flammability: 1 | Instability: 0 |
| | | HMIS: | Health: 1 | Flammability: 1 | Physical Hazards: 0 |

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